

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Metzger, Andreas et. al.

Application No.:

Filing Date: April 1, 2004

Group Art Unit:

Examiner:

Confirmation No.:

Title: Integrally Formed Flexure Pivot For A Force-Measuring Device, And Force-Transfer Mechanism With The Flexure Pivot

FIRST  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

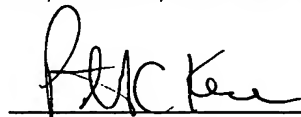
Respectfully submitted,

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Alexandria, Virginia 22313-1404  
(703) 836-6620

Date: April 1, 2004

By



Patrick C. Keane

Registration No. 32,858

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	
	)	
Metzger, Andreas et. al.	)	Group Art Unit:
	)	
Application No.:	)	Examiner:
	)	
Filed: April 1, 2004	)	Confirmation No.:
	)	
For: Integrally Formed Flexure Pivot for a	)	
Force-Measuring Device, and Force-	)	
Transfer Mechanism with the Flexure	)	
Pivot	)	
	)	

**FIRST INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.


The relevance of these documents is their citation in the specification and/or their citation in either a European Search Report or a German Search Report, both received in connection with what is believed to be foreign counterpart applications to the present application. Copies of the European Search Report dated December 18, 2002, and German Search Report dated September 26, 2002, and what is believed to be an associated PCT examination report dated May 8, 2003, are also enclosed.

To assist the Examiner, the document is / documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date April 1, 2004

By:   
Patrick C. Keane  
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Substitute for form 1449A/PTO & 1449B/PTQ			<b>Complete if Known</b>	
<b>FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	
			Filing Date	
			First Named Inventor	
			Examiner Name	
Sheet	1	of	1	Attorney Docket Number
032498-025				

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	
					Yes	No
	38 33 221	C2	German Patentschrift	Jan. 30, 1997		X
	40 22 146	A1	German Offenlegungsschrift	Jan. 31, 1991		X
	81 35 182.8		German Gebrauchsmuster	March 4, 1982		x
	0 518 202	A1	EPO	Dec. 16, 1992		X
	1 083 420	A2	EPO	Aug. 28, 2000		X
	1 054 242	A2	EPO	May 12, 2000		X

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB 02/03973

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01G21/24 G01G3/14 G01L1/22

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01G G01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 083 420 A (METTLER TOLEDO GMBH) 14 March 2001 (2001-03-14) cited in the application abstract; figure 1	1, 10
A	EP 0 518 202 A (METTLER TOLEDO AG) 16 December 1992 (1992-12-16) cited in the application abstract; figure 1	1, 10
A	EP 1 054 242 A (SARTORIUS GMBH) 22 November 2000 (2000-11-22) cited in the application abstract; figure 1	1, 10

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

11 December 2002

Date of mailing of the international search report

18/12/2002

Name and mailing address of the ISA

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Authorized officer

Ganci, P

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 02/03973

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1083420	A	14-03-2001	DE 19943439 A1	15-03-2001
			AT 216067 T	15-04-2002
			DE 50000135 D1	16-05-2002
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			JP 2922720 B2	26-07-1999
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			US 5340951 A	23-08-1994
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			EP 1054242 A2	22-11-2000